



JB-151TP

Wireless room thermostat

Basic thermostat for central and zone temperature and humidity control. Independent switching of heating, cooling and ventilation, floor temperature measurement with limit function. Convenient temperature schedule setting from MyJABLOTRON 2, creation of temperature and humidity graphs, and unique energy-saving functions thanks to connection to the alarm system.



White



Black/anthracite



82 x 82 x 22 mm



2x LR6 (AA 1.5 V)



Up to 2.5 years



JA-103K, JA-107K, JA-108K



The thermostat replaces the original JA-150TP. It offers a range of new features in a modern design, with convenient installation on a box.

Low costs, easy and hasslefree

The unique combination of a thermostat and an alarm system offers a number of advantages, making it easy to achieve savings in both acquisition and operating costs.

The thermostat uses a secure and reliable alarm infrastructure for its internal and external communication. This allows remote access to control and settings from MyJABLOTRON 2, even without costly additional control units or separate cabling, even in the event of a local Internet outage or insufficient WiFi coverage.

The thermostat's response to system events offers automatic temperature reduction when leaving the building, opening a window, and other situations where full heating is not necessary. Without user intervention, the thermostat automatically saves operating costs whenever possible.



Smart features inside, simplicity outside

Local control couldn't be easier. Use the plus and minus buttons to set the desired temperature, and the "i" button to switch between displaying the measured room and floor temperatures and the set temperature. No complicated programming or menus.

Thanks to the connection to the alarm, you can set everything else clearly and conveniently from MyJABLOTRON 2. From the temperature plan to humidity control, you have full control over the environment in the building, wherever you are.

You can easily turn on the heating at your cottage before leaving work, or turn down the heating at home if your weekend in the mountains unexpectedly gets extended.



One thermostat, up to three controlled appliances

Thanks to seasonal heating and cooling modes and parallel ventilation mode, the thermostat can independently control up to 3 different PG outputs of the system. You can connect it not only to underfloor heating, a heating ladder or radiators, but also to air conditioning in the bedroom or ventilation in the bathroom.

The thermostat does not require a direct wired connection to the appliances. Control instructions are sent to the system digitally, and any output module can switch the appliance on and off. The range includes products designed for connection to heating systems and universal relays, offering endless application possibilities.

The temperature adapts perfectly to your daily routine

The programme mode, controlled according to an individual time schedule, is designed for normal operation. During this mode, the thermostat switches between a comfortable temperature, for example when you get up in the morning, and an economical temperature for sleeping or when no one is at home.

Outside of the standard heating schedule, the temperature can be manually adjusted at any time according to current needs. The thermostat resynchronises itself with the programme at the next scheduled temperature change.

If you leave the building, the thermostat automatically shortens the comfort period to save costs. Before your return, regardless of the security status, it will start heating again according to the plan to a comfortable temperature so that your return home is completely comfortable. Conversely, an open window or other set condition blocks the thermostat for its entire duration. Even during a continuous block, however, the thermostat checks to ensure that the space does not cool below the minimum temperature set for the off mode.

Convenient installation on a box or bare wall

The thermostat can be installed on a box with a screw spacing of 60 mm or any flat surface without any preparation. However, due to the space required for the batteries, the wireless version of the thermostat cannot be recessed into the box. The package therefore only contains the rear part for surface mounting with a 22 mm overlap.

The screwless terminal block facilitates the connection of the optional JBTSNTC10K floor sensor.



Additional safety and comfort features

- Floor temperature limitation based on floor sensor measurements
- Display backlight.
- Child lock on buttons.
- Fault or alarm notification and report to the security control panel when high or low emergency temperatures are reached.
- Manual mode for maintaining a constant static temperature.
- Off mode with automatic maintenance of a safe temperature.
- User notifications in MyJABLOTRON 2 when the set temperature is exceeded or falls below.
- Temperature and humidity history graphs in MyJABLOTRON 2.
- Bulk control commands and saving settings to all thermostats in MyJABLOTRON 2.



What to look out for when designing the system



Accessing the advanced thermostat settings in MyJABLOTRON 2 requires entering an administrator code due to the need to modify the system configuration.



When choosing the location of the thermostat, avoid places where the room temperature measurement may be affected by external influences, such as draughts or the thermostat being heated by the sun.



The wireless version of the thermostat cannot be installed partially recessed into the box due to the space required for the batteries. The wireless version package therefore only contains the rear part for surface mounting, which can be installed on the box without recessing.



The number of wireless thermostats in the system is limited only by the number of unoccupied positions for wireless peripherals 1 to 120. However, the number of PG outputs for switching appliances that can be controlled wirelessly is limited by the wireless range of PG 1 to 32.



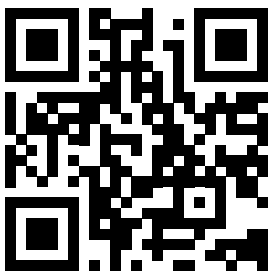
One PG output can only be controlled by one thermostat. If you install multiple thermostats that jointly control one heat source (e.g. a boiler), a separate PG output must be created for the boiler, which will use OR logic to copy all PGs controlled by individual thermostats.



When using floor cooling with reverse heat pump operation, the entire floor system must be protected against condensation. Consult the heating system supplier about the purpose of this application; protection against condensation must be provided on the heat pump side.

Technical parameters

Temperature measurement range (with external sensor)	40 to +125 °C (+/- 0.1 °C)
Operating temperature range	10 to +50 °C
*Temperature controller class	I. (according to Regulation (EU) No. 813/2013)
* Contribution of controllers to seasonal η_s	1% (according to Regulation (EU) No. 813/2013)
Power supply	2x 1.5V AA alkaline batteries, type LR6 (recommended BAT-1V5-AA)
Typical battery life	2.5 years



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